

ABSTRACT

A micro system capable of setting an appropriate amount of stimulation being applied in order to control liquid flow in a channel. The micro system comprises micro-heaters (5b, 5c) for applying stimulation to liquid flowing through liquid channels (2b, 2c) formed in a plate (1) and controlling liquid flow by the stimulation from the micro-heaters (5b, 5c), and a means for electrically controlling the amount of stimulation being applied to the liquid from the micro-heaters (5b, 5c). An appropriate amount of stimulation can be set by electrically controlling the amount of stimulation being applied to the liquid from the micro-heaters (5b, 5c) through the control means.